

Listing of Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-64 (canceled)

Claim 65 (new): An isolated botulinum toxin type A comprising an amino acid sequence of which all or part of a leucine based motif of SEQ ID NO: 2 is deleted, wherein the deletion decreases a half-life of the botulinum toxin type A.

Claim 66 (new): The botulinum toxin type A of claim 65 wherein the leucine based motif is SEQ ID NO: 7.

Claim 67 (new): The botulinum toxin type A of claim 65 wherein the toxin is recombinantly produced.

Claim 68 (new): An isolated botulinum toxin type A comprising an amino acid sequence of which all or part of a leucine based motif of SEQ ID NO: 2 is added, wherein the addition increases a half-life of the botulinum toxin type A.

Claim 69 (new): The botulinum toxin type A of claim 68 wherein the leucine based motif added to the botulinum toxin type A is selected from the group consisting of SEQ ID NO: 7, SEQ ID NO: 10 and SEQ ID NO: 12.

Claim 70 (new): The botulinum toxin type A of claim 68 wherein the leucine based motif added to the botulinum toxin type A is selected from the group consisting of SEQ ID NO: 1, SEQ ID NO: 3, SEQ ID NO: 4, SEQ ID NO: 5, SEQ ID NO: 6, SEQ ID NO: 8, SEQ ID NO: 9, SEQ ID NO: 11, SEQ ID NO: 13, SEQ ID NO:

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14, SEQ ID NO: 15, SEQ ID NO: 16, SEQ ID NO: 17 and SEQ ID NO:
18.

Claim 71 (new): The botulinum toxin type A of claim 68
wherein the toxin is recombinantly produced.